

THE UNIVERD SHAYES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Seminis Hegetable Seeds, Inc.

JULICIES, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY; OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE VARIETY PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE SEE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT TO BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

LETTUCE

'PS 6545691'

In Continuou Marcos, I have hereunto set my hand and caused the seal of the Hunt Haristy Frotestion Office to be affixed at the City of Washington, D.C. this nineteenth day of April, in the year two thousand and five.

Je m Ze-

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

MCGobonno Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following state nexts are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

Seminis Vegetable Seeds, Inc.				2. TEMPORARY DESIGNAT EXPERIMENTAL NAME. PSR 4569	ION OR	3. VARIETY NAME 3
4. ADDRESS ISWAAI AND NO., OF R.F.D. NO. 37437 State High	, City, State, and ZIP Code, and Cour	Camino d	el Sol	5. TELEPHONE (include are (530) 669-6172	a code)	FOR OFFICIAL USE CHEY PUPO NUMBER
Woodland, CA 95 RAo s		93030-	7967	6. FAX (include area code) (530) 666-6791		JUDDOO 266
7. # THE OWNER NAMED IS NOT A "PERSONGANIZATION (corporation, partnership		8. IF INCORPOR STATE OF INC		9. DATE OF INCORPORATE 1962	ON	6/5/00
10. NAME AND ADDRESS OF OWNER Sharen Chaffin Seminis Vegetable Se 37437 State Hwy 16 Woodland CA 95616		Mar Sen Nud 670 The mbr	cel Bruins ninis Vegetab e 54D 2 DN Wageni Netherlands uins@svseed 31 317 4502	le Seeds, Inc. ngen		FILING AND EXAMINATION FEES: E 2450 B DATE 6500 CERTIFICATION FEE: Y 32.00 GATE 3/31/2005
11. TELEPHONE (Include area code)	12. FAX (Include area code)	13. €			_	P-KIND (Common Name)
31 317 450218	Thording Co.			svseeds.nl	Let	ttuce
			willy name (Botanic steraceae	ai)	HYBR	IE VARIETY A FIRST GENERATION HID?
18. CHECK APPROPRIATE BOX FOR EACH reverse) a. / Exhibit A. Origin and Breeding b. / Exhibit B. Statement of Distinct c. / Exhibit C. Objective Description d. Exhibit D. Additional Description	History of the Variety ness of Variety	r instructions on	CERTIFIED	SEED? See Section 83(a) of YES (# "yes", answer thams 20 and 21 below) WINER SPECIFY THAT SEED (FIONS?	of THIS VAL	RIETY BE SOLD AS A CLASS OF strety Protection Act) NO (If "no," go to them 22) RIETY BE LIMITED AS TO NUMBER
repository)	is of the Owner's Ownership intreated seeds or, for futher propagal if the deposition and meintained in an 450), made payable to "Treasurer of Protection Office)		21. IF "YES" TO I	TEM 20, WHICH CLASSES OF OUNDATION REGIS	PRODUCTI	ON BEYOND BREEDER SEED?
22. HAS THE VARIETY (INCLUDING ANY HA FROM THIS VARIETY BEEN SOLD, DISP OTHER COUNTRIES?	RVESTED MATERIAL) OR A HYBRI OSED OF, TRANSFERRED, OR US	D PRODUCED ED IN THE U. S. OR		ETY OR ANY COMPONENT OF RIGHT (PLANT BREEDER'S RIC		TY PROTECTED BY INTELLECTUAL TENTO?
TYES IF YES, YOU MUST PROVIDE THE DATE FOR EACH COUNTRY AND THE CIRCLE	NO OF FIRST SALE, DISPOSITION, TI MSTANCES, (Please use space indi	RANSFER, OR USE	IF YES, PLEA REFERENCE	ÆS. SE GIVE COUNTRY, DATE OF NUMBER. <i>(Plasse us</i> a space à	FILING OR	NO ISSUANCE AND ASSIGNED REVERSE.)
24. The owners declare that a viable sample of for a tuber propagated variety a lissue cut. The undersigned sweet(s) is(are) the ownerd is entitled to protection under the procoverest is(are) informed that false representations.	ure will be deposited in a public repo or of this sexually reproduced or table sions of Section 42 of the Plant Varie	isitory and maintained r propagated plant va sty Protection Act.	for the duration of the riety, and believe(s) By	certificate.		
SIGNATURE OF OWNER	P, m.w	3ruins	SIGNATURE OF	DWNER		
NAME (Please print or type) Seminis Vegetable Seeds	1)		NAME (Please pri	nt or type)		
CAPACITY OR TITLE Manager, Plant Variety P	rotection DATE	June 2000	CAPACITY OR TI	TLE		DATE
8.T-470 (6-98) designed by the Plant Variety Pro	Rection Office with WordPerfect 6.0a	Replaces STD-470	03-86) which is obsok	ite. (See reverse for inst	ruciions and	information collection burden statement)

Exhibit 16A. Origin and Breeding History of Lettuce SVR 4569 'PS 6545691

MAH 3/31)05

Pedigree of SVR 4569

Female Pl 206964	ا X Salir	<i>lale</i> nas 88	1993
	↓	4004	
	F ₁ ↓	1994	
	F ₂ ↓	1995 4 s	single plant selections
	F ₃ ↓	1996 12	single plant selections
	F ₄ ↓	1997 21	single plant selections
	F ₅ ↓	1998 17	single plant selections
•	SVR 4569 F $_6$	1999 15	single plant selections
	F ₇		nmercial trials eed increase

SVR 4569 originated in 1993 with the cross PI 206964 by Salinas 88. Single plant selections were made in subsequent years in the area of intended commercialization. By F_6 a group of 15 families was judged uniform and bulked for trialing and seed increase. An F_7 mass is in trial this year (2000) and an increase of F_7 seed is being produced in the San Joaquin Valley of California, as well.

The breeding work was carried out by Dr. William Waycott at the Petoseed Company's Research Station at Arroyo Grande, California. Petoseed Company was purchased by Seminis Vegetables Seeds, Inc. in 1995, and the work continued by the same staff at the Arroyo Grande location until the present. Some test plots were conducted in 1999, while replicated field trials are being carried out in most production areas throughout coastal and desert growing districts of California and Arizona during the year 2000.

The breeding method employed was pedigree selection, using both single plant selection and mass selection practices. The selection criteria for SVR 4569 were:

- 1. identify a cultivar with the outer appearance of a romaine, but with internal characteristics of an iceberg (crisphead), such as color, texture, taste, and density,
- 2. dark outer color with blanched inner color, and
- 3. resistance to corky root rot and lettuce mosaic virus.

Thus far in trials of SVR 4569 during the last six years covering generations F_6 to F_{12} , we have seen neither genetic variants nor off-types in more than 9,000 plants, indicating that this variety is genetically uniform and stable.

Exhibit 16B. Novelty Statement of Lettuce PSR 4569

PS 6545691

MAH 3/81/2005

Due to its unique characteristics, PSR 4569 is described as a new type of lettuce ideally suited for the America fresh vegetable industry. PSR 4569 has the external dimensions (shape and stature) of a romaine variety, but its internal qualities all come from its crisphead background. The internal makeup of PSR 4569 is decidedly crisphead, exhibited by its thick, crisp interior leaves, its tight head conformation, interior pale color, and a distinct iceberg taste. Potentially mistaken as a romaine cultivar, PSR 4569 is clearly a crisphead in all aspects except for its shape. PSR 4569 is adapted to both coastal and desert production areas of California and Arizona. It is susceptible to all California pathotypes of downy mildew, however, it contains the mogene conferring resistance to lettuce mosaic virus, and the cor gene conferring resistance to corky root rot, strain CA1. When compared to the commercially available cultivars of romaine and crisphead grown in USA, PSR 4569 is clearly distinctive and for this reason was selected because if its unique external and internal qualities, as well as for the disease resistances listed above.

Phenotypically, PSR 4569 is distinct from all commercial cultivars of lettuce, however, since its outer appears resembles a romaine, the cultivar Clemente was selected as the most similar cultivar for comparison. In replicated field trials, heads of PSR 4569 were narrower, shorter, but heavier than Clemente, and had shorter core lengths at harvest time (Table 1). The exterior leaf color of PSR 4569 was darker (RHC color chart 146A), versus 146B for Clemente, while the interior leaf color of PSR 4569 was lighter (144A) versus 146B for Clemente. Leaf thickness of the largest leaf measured at 1.1 mm for PSR 4569 and 0.6 mm for Clemente. From these diverse indicators, PSR 4569 clearly represents a new and unusual combination of romaine and crisphead characters in one lettuce variety.

PS 6545691'

Table 1. Evaluation of PSR 4569 and the most similar cultivar, Clemente, for several important characters.

			Exter.	Inter.	Corky	Lettuce			Leaf		
:			Leaf	Leaf	Root Rot	Mosaic	Plant	Head	Head	Thick-	No. of Days
Trial No	Cultivar	o	Color	Color	Resist. ^c	Resist. ^d	Height	Diam. ^f	Weight ⁹	ness	to 15 cm ⁱ
Trial 1: Evaluated 16 Sen 99	75 65 45691	Rep. 1 Rep. 2	146A 146A	144A 144A	Resist. Resist.	Resist. Resist.	26.1±0.9 26.9±0.8	17.3±2.1 17.0±2.7	1350±9.9 1305±9.7	1.0±0.1 1.1±0.2	65 66
Santa Maria Valley, CA	Valley, CA	Average: 146A	146A	144A	Resist.	Resist.	27.5±0.9	17.2±2.4	1328±9.8	1.1±0,2	99
	Clemente:	Rep. 1 Rep. 2	146B 146B	146B 146B	Resist. Resist.	Resist. Resist.	28.1±1.1 27.8±1.3	24.8±2.7 23.6±2.3	876±10.5 802±10.3	0.6±0.1 0.7±0.1	61 60
		Average: 146B	146B	146B	Resist.	Resist.	28.0±1.2	24.2±2.5	839±10.4	0.7±0.1	61
Trial 2: Evaluated:	PSR-4569- VPS 6545691'	Rep. 1 Rep. 2	146A 146A.	144A 144A	Resist. Resist	Resist. Resist.	26.5±0.7 27.0±0.9	18.5±2.8 18.9±1.8	1271±10.1 1350± 9.7	1.1±0.1 1.0±0.2	65 66
Yuma, AZ		Average: 146A	146A	144A	Resist.	Resist.	26.8±0.8	18.7±2.3	1311± 9.9	1.1±0.2	99
	Clemente:	Rep. 1 Rep. 2	146B 146B	146B 146B	Resist. Resist.	Resist. Resist.	29.5±1.4 29.2±1.0	23.6±3.1 24.2±2.0	840± 9.3 734±10.1	0.7±0.1 0.6±0.1	62 60
		Average: 146B	146B	146B	Resist.	Resist.	29.4±1.2	23.4±2.6	787± 9.7	0.7±0.1	61

Exterior leaf color evaluation was done on the first large, mature leaf using the Royal Horticultural Society color chart, U.K.

b Interior leaf color evaluation was done on the twenty-fifth mature leaf from the outside using the Royal Horticultural Society color chart, U.K.

^c Corky root rot survey of using five replications, each having 25 roots from plants grown in field trials in Monterey and Santa Maria _Counties, CA, evaluated between September and February of 1999 and 2000.

d Lettuce mosaic virus survey using two replications each having 40 seedlings, grown in laboratory screens. Mean plant height using two sowing dates of 20 plants per replication in cm ± standard deviation.

Mean head diameter using two sowing dates of 20 plants per replication in cm \pm standard deviation.

 9 Mean head weight using two sowing dates of 20 plants per replication in grams \pm standard deviation.

^h Mean leaf thickness of the leaf margin of the largest leaf using two sowing dates of 10 plants per replication in mm ± standard deviation.

Mean number of days until stem reaches 15 cm using two replications of 20 plants each.

JUS. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE DIVISION

OBJECTIVE DESCRIPTION OF VARIETY LETTUCE Lactuca sativa

	LETTUC	E <u>Lactuca sativa</u>		
NAME OF APPLICANT (5)		··········	FOR OFFICIA	AL USE ONLY
Seminis Vegete ADDRESS (Street and No. or R.F.D. No.,	Dr Serd I	nC	2000002	56
8743754	city, state, and ZP Gode, H. 37437, Sta Woodland	te Huy 16.	VARIETY NAME PS	6545691
5,0	woodland	CA 956.95	PSR 45	69
			EXPERIMENTAL DESI	GNATION
Place numbers in the boyer for the phores				
Place numbers in the boxes for the charact spaced plants. Royal Horticultural Society	or any recognized color stan	ariety. Measured data should dard may be used to determi	i be the mean of an appropriate in: ne plant colors,	imber (at least 10) of w
The location of the test area is:		Color System Us		
		KOYAL H	ORTICULTURAL SO	CIETY
	ed check varieties page 4.)	•		
01=Cutting/Leaf 02=Butterhead 03=Bibb 04=Cos or Romain	05=Great Lakes G 06=Vanguard Grou 07=Imperial Grou 08=Eastern (Ithaci	up 10-Latin P 11-OTHER-		-
2. SEED: COLOR 1-White (Silver Gray)	LIGHT DORM		AT DORMANCY	2-1
2=Black (Gray Brown) 3=Brown (Amber)	1=Light Requi		Susceptible . Not Susceptible	
3. COTYLEDON TO FOURTH LEAF STA	AGE: NOTE: Provide a cold	or photograph or photocopy	of the fourth lest from 20 day old	seedling
3 SHAPE OF COTYLEDONS		optimal conditions, Intermediate 3=Spa	atulate	
				
SHAPE OF FOURTH LEAD	F:		M ST	3
			36	<i>S</i>
1	2 3	. 4	. 5 6	
<u> </u>				
25 LENGTHWIDTH INDEX O	F FOURTH LEAF: L/W x 1	0		
4 APICAL MARGIN:	1-Entire	4=Moderately Dentate	7=Lobed	
}	2=Crean#te/Griawed	5-Coarsely Dentate	8=OTHER (specify)	
5 BASAL MARGIN:	3=Finely Dentate	6=Incised		
2 UNDULATION:	1=Flat	2=Slight	3=Medium	4=Marked
4 GREEN COLOR:	1=Yellow Green 2=Light Green	3=Medium Green 4=Dark Green	5-Blue Green 6-Silver Green	7×Gray Green
ANTHOCYANIN:				
DISTRIBUTION:	1=Absent 2=Margin Only	3=Spotted 4=Throughout	5-OTHER (specify)	
CONCENTRATION:	1≃Light	2=Moderate .	* 3=Intense	· · · · · · · · · · · · · · · · · · ·
ROLLING:	1=Absent	2-Present		
CUPPING:	1=Uncupped	2=Slight	3=Markedly	

2=Apical Margin

3-Lateral Margins

1-None

REFLEXING:

	E-LEAVES (observe harvest-mat Provide calor photo of harvest-m	ure outer leaves); sture leaves which accurately shows color :	and margin sharecterize 2 0 0 0	00266
,	MARGIN:	1=Absent/Shallow (Dark Green Boston)	-	3-0- 45
12	Ideepest penetration of	the margin)	2 moderate (Vanguard)	3=Deep (Great Lakes 659)
2	INDENTATION: (finest divisions of the margi	1=Entire (Dark Green Boston) 2=Shallowly Dentate (Great Lakes 65)	3-Deeply Dentate (Great Lakes 659) 4-Crenate (Vanguard)	5-OTHER (apecify)
2	UNDULATION OF THE APICAL MARGIN:	1=Absent/Slight (Dark Green Boston)	2=Moderate (Vanguard)	3=Strong (Great Lakes 659
4	GREEN COLOR:	1=Very Light Green (8ibb) 2=Light Green (Minetto)	3=Medium Green (Great Lakes) 4=Dark Green (Vanguard)	5=Very Dark Green 6=OTHER
	ANTHOCYANIN (grown at	or below 10 C):		
	DISTRIBUTION:	1=Absent 2=Margin Only (Big Boston)	3-Spotted (Calif, Cream Butter) 4-Throughout (Prize Head)	5=OTHER (*Pecify)
	CONCENTRATION:	1=Light (Iceberg)	2=Moderate (Prize Head)	3=Intense (Ruby)
3	SIZE:	1=Small	2-Medium	3=Large
2	GLOSSINESS:	1=Duli (Vanguard)	2=Moderate (Salinas)	3=Glossy (Great Lakes)
	BLISTERING:	1=Absent/Slight (Salinas)	2×Moderate (Vanguard)	3=Strong (Prize Head)
3	LEAF THICKNESS:	1=Thin	2=Intermediate	3=Thick
2	TRICHOMES:	1=Absent (smooth)	2=Present (spiny)	
5. PLANT (a	t market stage. Choose a compar	ison variety appropriate for this type.):		
33	SPREAD OF FRAME LEAVES	i:	76	
12121	cm This Variety HEAD DIAMETER (market tr	AD on CLEMEN	(specify comparison variet	<u>y) </u>
18	cm This Variety	24 cm _CLFMFN	JTE (specify comparison variet	v)
4	HEAD SHAPE:	1=Flattened 2=Slightly Flattened	3×Spherical 4×Elongate	5≠Non-Heading 6≈OTHER
3	HEAD SIZE CLASS:	1=Small	2=Medium	3≈Large
24	HEAD COUNT PER CARTON			
1320	HEAD WEIGHT:		-	
113150	g This Variety	BIJ3, CLEMENT	(apecify comparison variety	,
4	WEAR FIGURATOR.	A	3=Firm 4=Very Firm	
6. BUTT (bott	tom of market-trimmed head);			
3	SHAPE:	1-Slightly Concave	2=Flat	3=Rounded
	MIDRIB:	1=Flattened (Salinas)	2-Moderately Raised	3=Prominently Raised (Great Lakes 659)
7. CORE (stem	of market-trimmed head):			
45	mm Diameter at base of head			
73	Ratio of head diameter/core dia	meter	•	
57	Core height from base of head to	apex: SI3 mm CLEMEN	TE	
8. BOLTING		Y 981 NOTE: First Water Date is th	(specify comparison variety, to date seed tirst receives adequate mois ten does equal the planting date.	
التعاليا	Number of days from First Wate	r Date to seed stalk emergence (summer co		
1 11 . [[.]	This Variety	611 CLENENT	_	
	BOLTING CEASS: 2		=Medium 5 =Rapid	s-Very Rapid
	Height of mature seed stalk: cm. This Variety	85 cm CLEMENT	[apecify comparison variety)	(o
FORM LS-470-1	6	BOLTING contid, on next pag	e	Page 2 of

48	Spread of Botter Plant (at w cm. This Variety	Ideat point):	CLEMFNIE "	200000	0,268
2	BOLTER LEAVES:	1=Straight	2*Curved		
	MARGIN:	1=Entire	2-Dentate		
2	COLOR:	→ Light Green	2=Medium Gre	en	3×Dark Green
2	BOLTER HABIT: TERMINAL INFLORESCENCE:	1 = Absent	2×Present		
2	LATERAL SHOOTS:	1-Absent	2=Present	.,	
	BASAL SIDE SHOOTS:	1=Absent	2=Present	, - 1) -1	_
	earliness of harvest-mature homplete this section for at lee		CH	IECK VARIETY 2/	
Spring	120	105	CLEMENTE		
Summe	, 72	62	CLEMENTE		
Fall	84	143	CLEMENTE		
Winter	1102	90	GREEN TOWE	 2s	
Give planting da	ere(s), and location(s):	, , , , , , , , , , , , , , , , , , , ,			
Spring Summer	CENTRAL C	ALIFORNIA (COAST 15JA	NUARY TO	15 AUGUST
FaII		V			
Winter	IMPERAL VA	LLEY, CA, YU	MA, AZ LOC	TOBER TO	15 DECEMBER
10. ADAPTATION		⊴ rill in check varie	ety name on the appropriate line.		
PR	IMARY REGIONS OF ADA	PTION (tested and prove	en adapted): (0*Not tested	1=Not Adapted	2=Adapted)
2 so.	uthwest (Calif., Ariz, desert)	West Coas	t Northeast		
. ———	rthcentral	Southeast	OTHER		
SE,	ASON: Spring larea CENTRI	LCALIF. GOA	ST 2 Fall (area CE	NTRAL CAL	F, COAST
2	Summer larea CENTR	ALCALIF. COA	ST 2 Winter lares IN	LPERIALVAL	LF, COAST LS,Y, CA, YUMA,1
O GR	EENHOUSE: 0	-Not tested	1=Not Adapted	2=	Adapted
SOI	L TYPE: 1-	Mineral	2×Organic	3-	Both
FORM LS-470-1 (9-86)					Page J al-

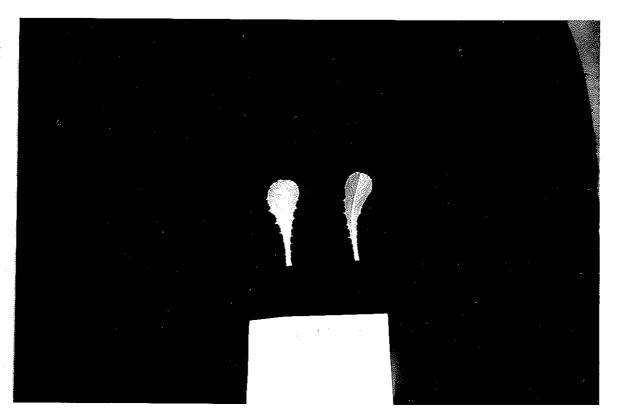
Page 3 014

11. DISEASES AND	STRESS REACTIONS (0-Not teste	ed; 1=Susceptible; 2	=Intermediate; 3=Re	sistant: 4=Highly resis	tant: 5=Tolerant):	
•	VIRUS			FUNGAL/BACT	HALO 2 0 0	1
	Big Vein		O Corky Root	Rot (Pythium Root f	Roti	
·	3 Lettuce Mosaic		O Downy Mile	dew (Races	1	
	Cucumber Mosaic		Powdery Mi			
	Broad Bean Wilt	•	Sclerotinia f	Rot		
İ	O Turnip Mossic		Bacterial So	ft Rot (Pseudomonas :	spp. & others)	
	O Beet Western Yellows		O Botrytis (Gr	ay Mold)		
· [Lett, Infectious Yellows		3 OTHER	htzomona	s suborifa	ciens
[Other Virus	<u>.</u>				
	ANGEOTO:					
ſ,	INSECTS Cabbage Loopers		[3]	PHYSIOLOGICAL/	STRESS	
	Root Aphids		7 Dipbum	Salt	(Dis Disease etc. Dis	
	Green Peach Aphid		Drought		(Rib Discoloration, Rib	
	Other Insect		Z Cold	OTHER_		
L.	<u> </u>	·	[\frac{1}{2}] co.u			
<i>-</i>	.	POST HARVE	<u>st</u>			
	OPInk Rib			Necrosis (Blackheart, (Gray Rib, Gray Streak)	
	Russet Spotting		Brown Stain			
	Austy Brown Discoloration			<u></u>		
12. BIOCHEMICAL OR	ELECTROPHORETIC MARKERS:					
			•			
13. COMMENTS:		·	-			
				•		
	C11	GGESTED CHECK	VADIETIES	·		
	30	·	v wusc 1169			
	TYPE		CHE	CK VARIETY		

SALAD BOWL
DARK GREEN BOSTON
BIBB
PARRIS ISLAND
GREAT LAKES 559-700
VANGUARD
VIVA
ITHACA
CELTUCE
MATCHLESS

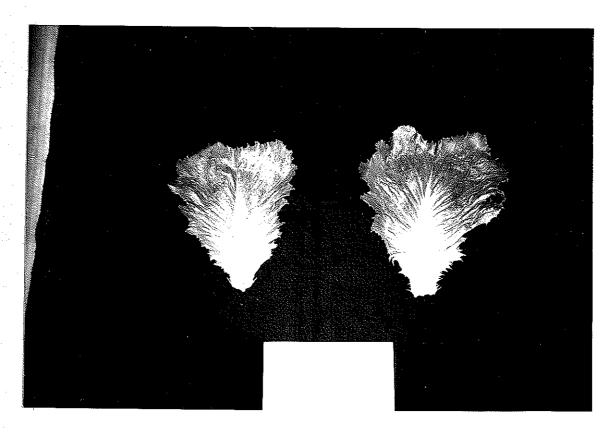
2)

CUTTING/LEAF BUTTERHEAD



Fourth leaf from 20-day old seedlings, PSR-4569 PS 6545691





Harvest -mature leaf, PSR 4569



Harvest-mature plants of PSR 4569

'PS 6545691'

MAH 3/31/2005

U.S. DEPARTMENT OF AG AGRICULTURAL MARKETIM		The following statements are made in 1974 (5 U.S.C. 552a) and the Paperwo	n accordance with the Privacy Act of rk Reduction Act (PRA) of 1995
EXHIBIT E STATEMENT OF THE BASIS			etermine if a plant variety protection (421). Information is held confidential (5).
1. NAME OF APPLICANT(S)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Seminis Vegetable Seeds, Inc	.	PSR 4569	PS 6545691 JRM 11/24
4. ADDRESS (Street and No., or R.F.D. No., Cit	y, State, and ZIP, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)
37437 State Highway 16		(530) 669-6172	(530) 666-6791
Woodland, CA 95695		7. PVPO NUMBER	0
8. Does the applicant own all rights to the vi	ariety? Mark an "X" in appropi	riale block. If no, please explain.	✓ YES NO
		•	
9. Is the applicant (individual or company) a	U.S. national or U.S. based o	ompany?	YES NO
If no, give name of country			✓ YES NO
10. Is the applicant the original owner?	YES N	If no, please answer one of the f	ollowing:
a. If original rights to variety were owned	by individual(s), is (are) the or	iginal owner(s) a U.S. national(s)?	•
•	TIYES TIN	(O If no, give name of country	
b. If original rights to variety were owned	الـــا		y?
•	YES N	If no, give name of country	
11. Additional explanation on ownership (if no	eeded, use reverse for extra sp	pace):	
PLEASE NOTE:			
Plant variety protection can be afforded only to ov	vners (not licensees) who meet or	ne of the following criteria:	
 If the rights to the variety are owned by the original which affords similar protection to nationals of 			per country, or national of a country
If the rights to the variety are owned by the cormember country, or owned by nationals of a co			
If the applicant is an owner who is not the original	nal owner, both the original own	er and the applicant must meet one of the al	bove criteria.
The original breeder/owner may be the individual	or company who directed final b	reeding. See Section 41(a)(2) of the Plant V	Protection Act for definition.
According to the Paperwork Reduction Act of 1995, no pe this information collection is 0581-0055. The time requi searching existing data sources, gathering and maintainin	ired to compete this information collect	ion is estimated to average 10 minutes per respons	introl number. The valid OMB control number for se, including the time for reviewing instructions.
The U.S. Department of Agriculture (USDA) prohibits disc (Not all prohibited bases apply to all programs). Persons USDA's TARGET Center at 202-720-2600 (voice and TDD	with disabilities who require alternative	frace, color, national origin, sex, religion, age, disable means for communication of program information (b	ity, political beliefs, and maritat or familial status. xaille, targe print, audiotape, etc.) should contact
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